

IN THE DRAWINGS

The Examiner is requested to approve the changes to Figure 13 as indicated in the attached Request for Approval of Drawing Amendments.

IN THE SPECIFICATION

Replace the paragraph beginning at page 2, line 2, with:

The use of the carbon body made of the carbon nanotubes as a planar electron source has been expanded. Because of its unique structure, however, it has been considered that the carbon nanotube has no known use.

Replace the paragraph beginning at page 2, line 6, with:

However, (a) carbon nanotubes are not formed unless the temperature of the substrate for them is raised to a given temperature or higher; (b) an expensive catalyst is required for forming nanotubes; (c) carbon nanotubes have small adhesion to the substrate owing to their structure; and (d) in the case that carbon nanotubes are used as a planar electron source, it is necessary to use a conductive substrate, or form the carbon nanotubes after a conductive film is formed on a nonconductive substrate since the respective nanotubes are electrically independent of each other. As shown in Fig. 27, in order to supply an electric current or voltage to perpendicularly-oriented carbon nanotubes 113 when the substrate 102 is insulating, it is necessary to deposit a conductive film 105 on the substrate 102 and then form the perpendicularly-oriented carbon nanotubes thereon. The electric current or voltage is supplied from an electric current source or a voltage source to the conductive film 105.

Replace the paragraph beginning at page 2, line 20, with:

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In the case that carbon nanotubes are used as a planar electron source, an inexpensive glass substrate cannot be used because of the substrate temperature referred to in item (a). This hinders the use of carbon nanotubes, which are originally expensive. The drawbacks referred to in items (b) and (d), together with the drawback referred to in item (a), cause an increase in costs for making carbon nanotubes for a planar electron source.

Replace the paragraph beginning at page 13, line 28, with:

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Fig. 1 is a view of the front surface of a carbon thin body composed of an approximately netlike wall, which is observed with a scanning electron microscope (SEM) [20000X magnification];

Replace the paragraph beginning at page 13, line 31, with:

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Fig. 2 is a perspective view of a cross section along the direction in which the carbon thin body shown in Fig. 1 grows, and the front surface side of the body, which are observed with a scanning electron microscope (SEM) [5000X magnification];

IN THE CLAIMS

Replace the indicated claims with:

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1. (Amended) A carbon body that has a thickness and is a thin layer having a front surface and a back surface, including at least at the front surface a continuous curved wall, as viewed in plan, having a netlike structure.